

PTO/SB/21 (08-03)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

46

Application Number

10/821,010

Filing Date

04/08/2004

First Named Inventor

Xlong et al

Art Unit

Not Assigned

Examiner Name

Not Assigned

Attorney Docket Number

3723 (SP#215)

ENCLOSURES (Check all that apply)

- | | | |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance communication to Technology Center (TC) |
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| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | | |
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Remarks

return receipt postcard

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Gregory N. Clements DOUGHERTY, CLEMENTS & HOFER
Signature	
Date	April 23, 2004

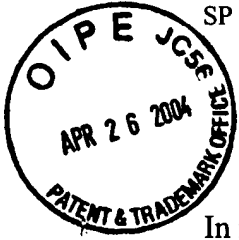
CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Nancy Burns		
Signature		Date	April 23, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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SP #215 (3723)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: XIONG et al.
Serial No.: 10/821,010
TITLE: BIAXIALLY TEXTURED FILM DEPOSITION
FOR SUPERCONDUCTOR COATED TAPES
Filing Date: April 8, 2004
Examiner: Not Assigned Yet
Art Unit: Not Assigned Yet

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to Applicant's duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the documents listed on the attached Form PTO/SB/08A&B are being brought to the attention of the Examiner in charge of the above-referenced Application.

The Examiner is respectfully requested to initial the space adjacent to the listing of each document on Form PTO/SB/08A&B, and return a copy of the initialed Form PTO/SB/08A&B with the next communication to Applicant, to confirm that these documents have been considered by the Examiner and made of record in this Application.

Certification Under 37 CFR §1.97(b):

This statement is being filed with the application. Accordingly, Applicant does not believe any fee is due. If this is incorrect, however, please charge any fees due to **Deposit Account No. 04-1448.**

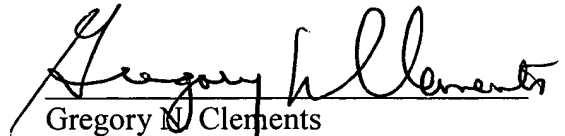
The above-referenced information is presented so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. See 37 C.F.R. §§1.104(a) and 1.104(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this Application, and that the references be made of record therein and appear among the "References Cited" on any patent that issues therefrom.

If Examiner has any questions or wishes to discuss this Application, Examiner is kindly encouraged to telephone undersigned.

Respectfully submitted,

Date:

April 23, 2004



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GNC/nb

Enclosures

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/821,010
				Filing Date	04/08/2004
				First Named Inventor	XIONG et al.
				Group Art Unit	Not Assigned Yet
				Examiner Name	Not Assigned Yet
Sheet	2	of	2	Attorney Docket Number	3723 – SP#215

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	3	HASEGAWA, K. et al., Proc. of 16 th ICEC/ICMC Proceedings, Amsterdam: Elsevier Science pp. 1413-1416. (1997)	
	4	DIMOS, D. et al., <i>Orientation Dependence of Grain Boundary Critical Currents in YBa₂Cu₃O_{7-δ} Bicrystals</i> , The American Physical Society, Physical Review Letters, Vol. 61, #2, pp. 219-222, (July 11, 1988)	
	5	DIMOS, D. et al., <i>Superconducting Transport Properties of Grain Boundaries in YBa₂Cu₃O_{7-δ} Bicrystals</i> , The American Physical Society, Physical Review Letters, Vol. 41, #7, pp. 4038-4049, (March 1, 1990)	
	6	GROVES, JAMES R.; et al., <i>Development of the IBAD MgO Process for HTS Coated Conductors</i> , 2001 International Workshop on Superconductivity, Honolulu, HI, June 24 -27, 2001	
	7	BAUER, M., et al., <i>YBCO Films on Metal Substrates with Biaxially Aligned MgO Buffer Layers</i> , IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, Vol. 9, No. 2, pp. 1502 – 1505, (June, 1999)	
	8	FOLTYN, STEPHEN R., et al., <i>High-T_c Coated Conductors – Performance of Meter-Long YBCO/IBAD Flexible Tapes</i> , IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, Vol. 9, No. 2, pp. 1519-1522 (June 1999)	
	9	XIONG, XUMING, et al., <i>Rapid Deposition of Biaxially-textured CeO₂ Buffer Layers on Polycrystalline Nickel Alloy for Superconducting Tapes By Ion Assisted Pulsed Laser Deposition</i> , PHYSICA C, 336 (2000) pp. 70-74	
	10	READE, R. P., <i>Ion-Beam Nanotexturing of Buffer Layers for Near-Single-Crystal Thin-Film Deposition: Application to YBa₂Cu₃O_{7-δ} Superconducting Films</i> , Applied. Phys. Letter, Vol. 80, No. 8, pp. 1352-1354 (2002)	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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